

ABSTRACT OF THE DISCLOSURE

Ink and an ink follower are reserved in an ink tube.

An elastic member urges a ball forward. When an outflow of ink is measured at intervals of a writing distance of 100 m,
5 the value of outflow of ink per writing distance of 100 m until a measurement time just before outflow of 80 % of the amount of charged ink from the start of writing is selected to be in a range between a value smaller by 20 mg than the outflow of ink in the writing distance range of from 0 m to 100 m and
10 a value larger by 20 mg than the outflow of ink in the writing distance range of from 0 m to 100 m.